



**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re Application of

Zhaohui Sun, et al

METHOD AND SYSTEM FOR  
NOISE ESTIMATION FROM  
VIDEO SEQUENCE

Serial No.: 10/715,276

Filed 17 November 2003

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA. 22313-1450

Group Art Unit:

Examiner:

I hereby certify that this correspondence is being deposited today with the United States Postal Services as first class mail in an envelope addressed to Commissioner for Patents, P. O. Box 1450, Alexandria, VA 22313-1450

*Robin G. Reeves*

Name: Robin G. Reeves

Date: 12/10/03

Sir:

**INFORMATION DISCLOSURE STATEMENT FOR CONSIDERATION**  
**BY THE OFFICE UNDER 37 C.F.R. 1.97-1.99**

Enclosed herewith are patents and/or publications for consideration by the Patent and Trademark Office in regard to the invention claimed in the above-described application. In compliance with §1.56, such documents are listed in the enclosed Form PTO-1449.

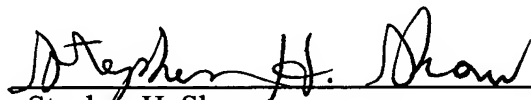
Applicants request that the Patent and Trademark Office make of record the above-identified documents. A full text copy of each document is attached, except for copies of U.S. patents and U.S. patent application publications. For documents not in English, an English translation or an equivalent English language patent or publication may be attached. Where a translation is not available, a concise explanation of the relevance of each document not in English is included either here or in the specification.

This Information Disclosure Statement (hereinafter "Statement") is submitted according to the following selected paragraph:

- I. ☒ This Statement is being filed under §1.97(b) within three months of the filing date of the application (other than a CPA), or before the mailing of a first Office action on the merits or before the mailing of a first Office action after the filing of a request for continued examination.
- II. ☐ This Statement is being filed under §1.97(c), with fee, **prior** to the mailing date of any of a final action, a notice of allowance or an action that otherwise closes prosecution in the application. Please charge the fee required by §1.17(p) to Eastman Kodak Company Deposit Order Account Number 05-0225. A duplicate copy of this Certification is enclosed.

- III. ☐ This Statement is being filed under §1.97(c), with a certification under, §1.97(e) **prior** to the mailing date of any of a final action, a notice of allowance or an action that otherwise closes prosecution in the application. The undersigned hereby states that (check one):
- ☐ each item of information contained in this Statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this Statement.
- ☐ no item of information in this Statement was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the person signing this certification under §1.97(e) after making reasonable inquiry, no item of information contained in this Statement was known to any individual designated in §1.56(c) more than three months prior to the filing of this Statement.
- IV. ☐ This Statement is being filed under §1.97(d), with fee and certification under §1.97(e), on or after the mailing date of either a final action, a notice of allowance (but prior to payment of the issue fee) or an action that otherwise closes prosecution in the application. Please charge the fee required by §1.17(p) to Eastman Kodak Company Deposit Order Account No. 05-0225. A duplicate copy of this Certification is enclosed. The undersigned hereby states that (check one):
- ☐ each item of information in this Statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this Statement.
- ☐ no item of information in this Statement was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the person signing this certification under §1.97(e) after making reasonable inquiry, no item of information contained in this Statement was known to any individual designated in §1.56(c) more than three months prior to the filing of this Statement.

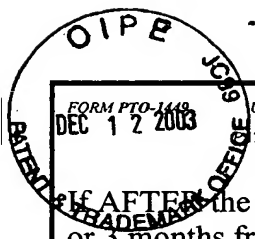
Respectfully submitted,



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Enclosures



FORM PTO-1449 DEC 12 2003 US DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE IF AFTER the later date of the first Office Action or 3 months from filing, use only with Rule 97(E) Certificate or Fee  <b>LIST OF ART CITED BY APPLICANT</b> (Use several sheets if necessary)	Atty. Docket No. <b>87017DMW</b> Customer No. 01333	Serial No. <b>10/715,276</b>
	Applicant: <b>Zhaohui Sun, et al</b>	
	Filing Date <b>17 November 2003</b>	Group

## U.S. PATENT DOCUMENTS

Examiner Initial*	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	USSN 10/602,427		Gabriel Fielding			06-24-2003
	5,764,307	06-09-1998	Taner Ozcelik et al.	348	608	07-24-1995
	5,923,775	07-13-1999	Patricia D. Snyder et al.	382	172	03-24-1997

## FOREIGN PATENT DOCUMENTS

Examiner Initial*	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
						YES	NO
	EP 0 957 367 A1	11-17-1999	EPO	G01 R	29/00		X
	EP 1 126 729 A1	08-22-2001	EPO	H04 N	17/00		

## OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)

	"Noise reduction in image sequence using motion-compensated temporal filtering" by E. Dubois and M. Sabri, <i>IEEE Trans. on Communcation</i> , 32(7):826-831, 1984.
	"Noise reduction filters for dynamic image sequence: a review" by J.C. Brailean et al. <i>Proceedings of the IEEE</i> , 83(9):1272-1292, September 1995

EXAMINER	DATE CONSIDERED
*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609: Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.	